

WHAT IS CLAIMED IS:

1. A bearing case attached to a crankcase of an engine for holding a bearing for supporting a crankshaft of 5 said engine, comprising:

a bearing holder for holding said bearing;

a crankcase mounting section formed on an outer peripheral surface of said bearing case to be joined to said crankcase; and

10 a rib wall formed in said bearing case on a side of said crankcase and extending between said bearing holder and said crankcase mounting section.

2. The bearing case according to claim 1, wherein said rib wall is formed in a spherical shape.

15 3. The bearing case according to claim 1, wherein said rib wall is formed on an upper side of the bearing case with respect to an axis of said crankshaft.

20 4. The bearing case according to claim 3, wherein a cavity is formed on a lower side of said bearing case with respect to said axis of the crankshaft, the cavity opening toward the side of said crankcase and forming part of an oil pan for said engine.

5. The bearing case according to claim 1, further comprising:

25 a reinforcing rib formed along the outer periphery of said bearing case on one surface of said crankcase mounting section on the opposite side from said crankcase.

6. The bearing case according to claim 3, further comprising:

a reinforcing rib formed along the outer periphery of said bearing case on one surface of said crankcase mounting 5 section on the opposite side from said crankcase.

7. The bearing case according to claim 5, wherein said crankcase mounting section includes a plurality of bolt holes for passing a plurality of bolts therethrough so as to fixedly couple said bearing case to said crankcase, said 10 reinforcing rib being formed so as to connect said plurality of bolt holes.

8. The bearing case according to claim 6, wherein said crankcase mounting section includes a plurality of bolt holes for passing a plurality of bolts therethrough so as to 15 fixedly couple said bearing case to said crankcase, said reinforcing rib being formed so as to connect said plurality of bolt holes.

9. The bearing case according to claim 5, wherein the reinforcing rib is formed at a part of the bearing case where 20 said rib wall exists.

10. The bearing case according to claim 7, wherein the reinforcing rib is formed at a part of the bearing case where said rib wall exists.